Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 326103

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image:

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-DS-FS-NFDS-3P-3W-5KV-1400A-DF-BM-N1 Disconnect Switch - Non Fused Disconnect

Unit Type: Service Entrance Non Fused Disconnect Switch

Line-In: N/A (customer provided)

Line-In Cord Cap: N/A (customer provided)

Line-In Termination: Terminal Lugs (Top Feed), Accepts up to 6×500 kcmil Conductors per Phase. Includes insulated bus and boot protection at cable terminations.

Voltage (V): 5 kV AC Nominal (4.16 kV System)

Phase (PH): 3-Phase, 3-Wire (No Neutral)

Frequency (Hz): 60 Hz (60-Cycles)

Insulation Level: 60 kV BIL

Interrupting Current: 40 kAIC

Protection Method: Non-Fused (External Protection Provided Upstream)

Protection Type: N/A (customer provided)

Conductor Capacity: Supports Max 4×500 kcmil per Phase. Cable-bus connections rated and labeled for 90°C operation.

Mains Rating (Amps): 1400A

Interrupting Rating: 38 kA (Non-Load Break, Isolation Duty Only)

Max Motor Full Load Amps Rating: 480 FLA at 240V, 590 FLA at 480V, 472 FLA at 600V

Disconnect Means: Push button - with interlock - motor operated with relay (If drive is switched on, push button do not operate. If switched off push button will operate)

Interlock: Solenoid-Based Electrical Interlock (Prevents Access Until No-Current Signal from VFD)

Ratings

CSA Certified Medium-Voltage Equipment
Built to IEC / IEEE C37.20.3 Metal-Enclosed Switchgear Standards
NEMA 1 Rated for Indoor Use
Made in the USA

Viewing Windows: Yes – Includes Viewing and IR Windows for Cable Terminations

Surge Protection: 5.1 kV MCOV Intermediate Class Surge Arrester (Line Side)

Space Heaters: 240/120 V 1 PH

Phase Barriers: Included

Padlock Provision: Yes

Line-Out: N/A (customer provided)

Line-Out Cord Cap: N/A (customer provided)

Line-Out Termination: Terminal Lugs (Top Feed) Accepts up to 6×500 kcmil Conductors per Phase. Includes insulated bus and boot protection at cable terminations.

Form Factor: Metal-Enclosed, Cubicle-Type Switch Assembly

Door: (1) Left-Hinged Lockable Door with Padlockable Handle

Enclosure Material: 11GA Sheet Steel

Enclosure Finish: ANSI 49 Grey

Enclosure Type: NEMA 1 Ventilated

Mount: Free-Standing (Floor Mount)

Dimensions: 26.42"-L x 15.105"-W x 58.965"-H

Weight: -

Shipping Dimensions: -

Shipping Weight: -

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in the USA

The Larson Electronics MPD-DS-FS-NFDS-3P-3W-5KV-1400A-DF-BM-N1 Power Distribution Non-Fused Service Entrance Disconnect Switch is built for rugged and reliable power control in industrial and commercial environments. Designed as a free-standing unit, this disconnect is housed in a robust NEMA 1 rated enclosure and accommodates bottom entry line terminals. Rotary-type switches are available and acceptable for use as service entrance equipment when UL listed.

The MPD-DS-FS-NFDS-3P-3W-5KV-1400A-DF-BM-N1 disconnect switch is compatible with three-phase 5 kV AC Nominal (4.16 kV System) and supports up to four 500 kcmil conductors per phase. This 3-pole, 3-wire unit features a high interrupt rating of 38 kA at 5kV AC.

Operation: The dead front construction includes a Manual via Side-Mounted Operating Handle with Solenoid-Based Electrical Interlock. Includes Viewing and IR Windows for Cable Terminations

Enclosure Design: The disconnect switch is protected by an 11GA sheet steel enclosure with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 1 rated for protection against water, moisture and debris. This rating allows the non fused disconnect to be used in indoor areas.

Certification: CSA Certified, Built to IEC/IEEE Medium Voltage Standards

Mount: This unit is free-standing for floor-mount installations, allowing flexible placement on-site.

Customization: The MPD-DS-FS-NFDS-3P-3W-5KV-1400A-DF-BM-N1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the non-fused disconnect portable and certified to NRTL UL 1640 for portable equipment

• Adding single pole camlock connectors for quick connections

• Adding heaters for cold environments

• Aiding alarm relays for trip notification down stream

• Adding powering meters

Applications: This switchgear is suitable for indoor use and applications including, but not limited to, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image:

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

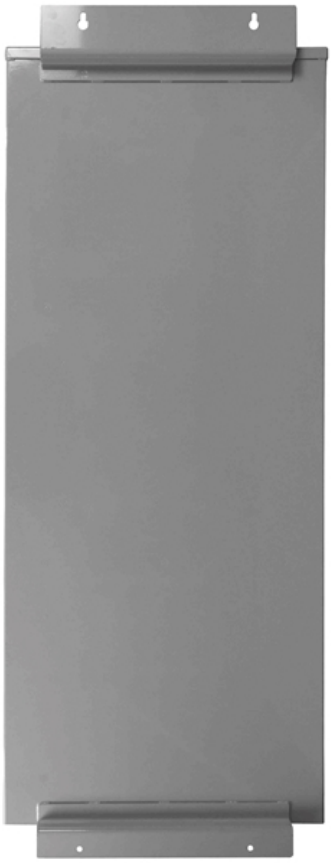


Image:

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image:

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image:

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 326103

Export Control Classification Number (ECCN): EAR99

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/326103.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/326103.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/326103.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/326103.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/326103.JPG)
- **Video1**(https://www.youtube.com/watch?v=h09GF5O4MYU)
- **Video2**(https://www.youtube.com/watch?v=aOJY5E9e33I)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)